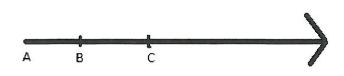
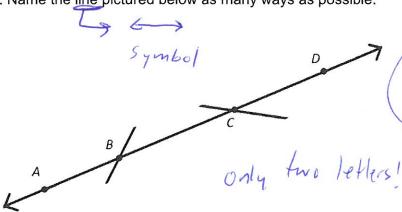
Unit 1 Practice Test

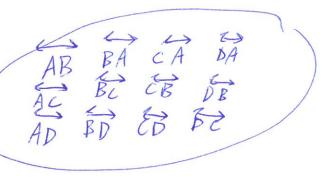
1. Name the ray pictured below as many ways as possible.





2. Name the line pictured below as many ways as possible.



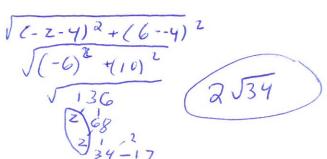


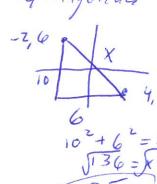
3. Find the length of a line segment with endpoints C(-2, 6) and D(4, -4). Name the line segment two different ways.

Distance Form

or

Py thayorean Thing



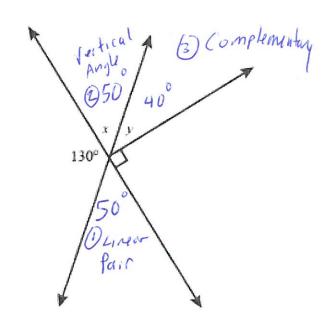


4. Find the midpoint of segment MN given M(13, -7) and N(-2, -16).

$$(\frac{13+-2}{2}, \frac{-7+-16}{2})$$
 $(\frac{11}{2}, \frac{-23}{2})$ or $(5, 5, \frac{-11.5}{2})$

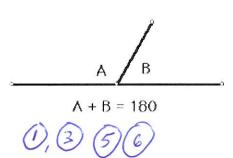
5. Given line segment XZ, endpoint X(-12, -5) and midpoint Y(-17, 3), find the coordinates of endpoint Z.

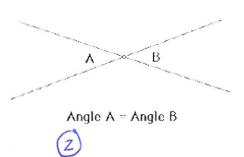
6. Find the measure of angles x and y in the provided picture.

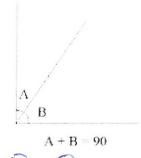


- 7. Write the name from the word bank that corresponds with each picture. Multiple words can appear in one picture, and words may be used in more than one picture.
- (i) Linear Pair
 (ii) Complementary Angles
- Vertical Angles
 Straight Angle

Supplementary Angles
Adjacent Angles





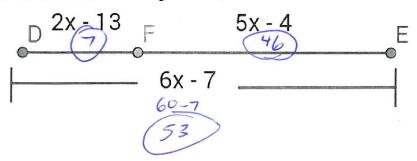


8. Which lines are horizontal? Circle all that apply.

(4pts)

A.
$$x = 0$$

9. Find the measure of segment DF, FE and DE.



$$2x-13+5x-4=6x-7$$

$$7x-17=6x-7$$

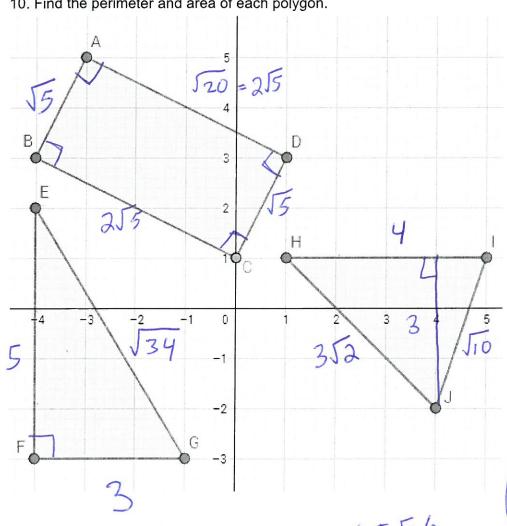
$$-6x$$

$$x-17=-7$$

$$+17$$

$$x=10$$

10. Find the perimeter and area of each polygon.



OHIJ P= 4+5T0+352 & 11.4 units A= 4.3=6 units2

SEF6 P= 8+ 534 unite ≈13.8 units A= 15=7.5 units2

11. Write the equation of a line through the points Q(-7, -12) and B(3, -32) in point-slope form AND slope intercept form.

$$M = \frac{-12 - 32}{-7 - 3}$$

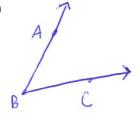
$$= 30$$

12. Match each word to its .

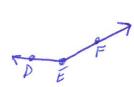
- a) Acute angle
- b) Obtuse angle
- c) Right angle
- d) Straight angle 6
- f) Complementary Angles 3
- g) Supplementary Angles 10
- h) Adjacent Angles 4
- i) Linear Pair j) Vertical Angles
- k) Congruent Angles

- 1) An angle that is 90°
- 2) Adjacent and supplementary angles.
- 3) Angles that add up to 90°
- 4) Angles formed by intersecting lines, are opposite each other and =
- 5) An angle that is greater than 90° but less than 180°.
- 6) An angle that is 180°.
- 7) An angle that is less than 90°.
- 8) Angles that share a side and a vertex.
- 9) Angles that have the same measure.
- 10) Angles that add up to 180°.
- 13. Sketch and properly mark each of the vocab terms in question 12 next to each corresponding letter.

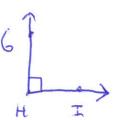
a)



b)

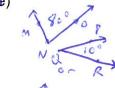


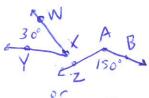
c)



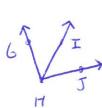
d)

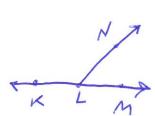




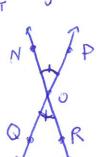


g)

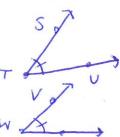


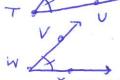


j)



K





14) Given $m\angle DAB = 144^{\circ}$, find x, $m\angle DAC$ and $m\angle CAB$.

4x+23+3x-19=144 7x+4 = 144