3.1-3.4 *Area & Perimeter Formulas*
Pre-AP Geometry
Extra Practice

Name _____
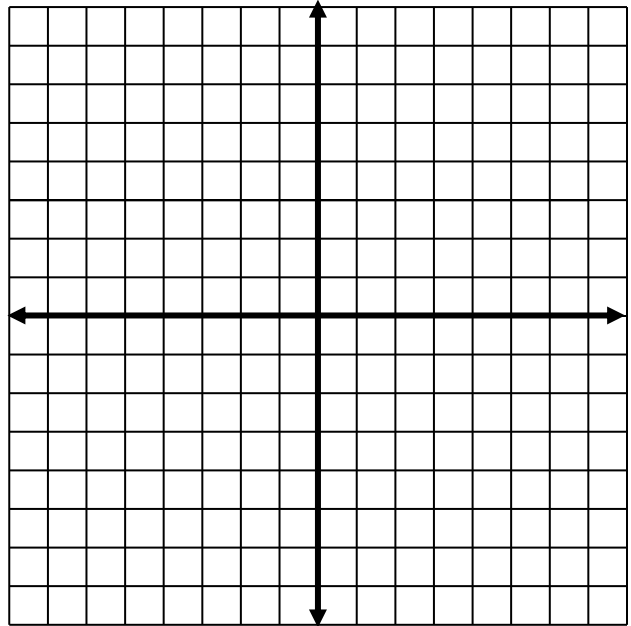Period _____   Date _____

Graph the lines. Shade or highlight the enclosed region. Determine the best name and the area of the figure.

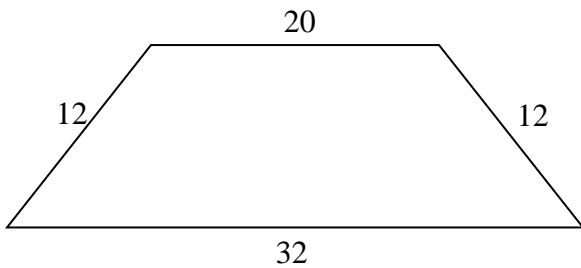1. $y = 2x - 1$

      $y = -2x - 1$
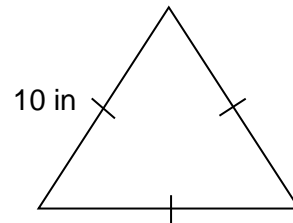
      $y = -2x + 7$

      $y = 2x + 7$

2-7: Find the area of each figure using the given information. Leave answers in simplified radical form and use appropriate units.
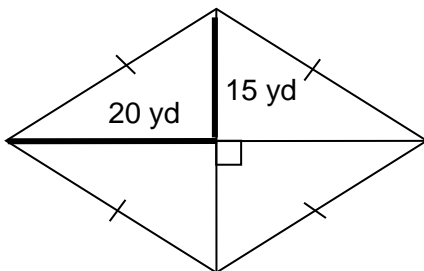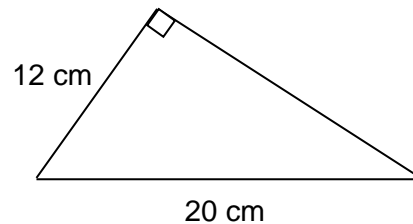
2._____

20

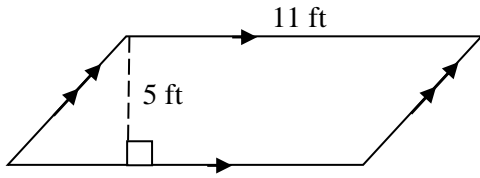12 ⟋   ⟍ 12

32

3. _____

10 in

4. _____

20 yd   15 yd

5. _____

12 cm

20 cm

6. A=_____

11 ft

5 ft

7. A= _____   h = _____

10 cm

6 cm   h

8 cm
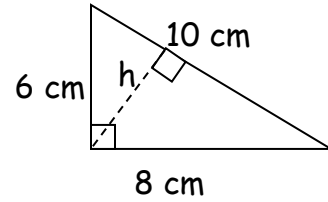
8-9: Find the height of the parallelograms.

8. _____

12 ft

h

15ft

9 ft

9. Find WB = _____

W   X

10 in

8 in

Z   A   B

Y

13 in
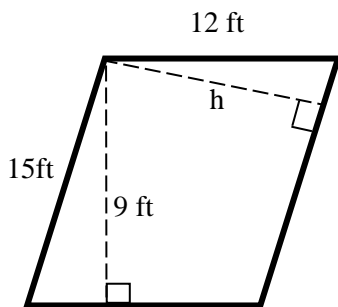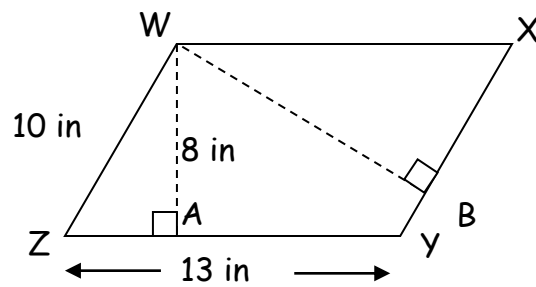
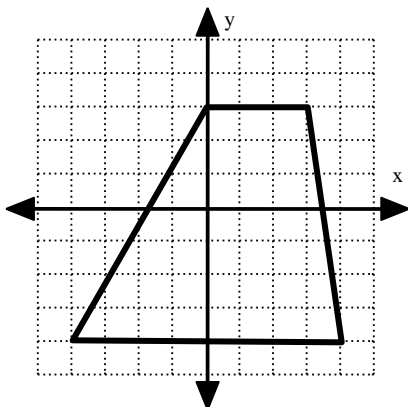**Solve the following problems. Draw figures and show work.**

10.   The area of an isosceles trapezoid is 160 sq cm. Its height is 8 cm and the length of the shorter base is 14 cm.   Find the length of the longer base.

11. Find the area of the following figure.

y

x

12. Find the area of the shaded region.

18 m

16 m   20 m