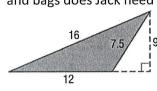
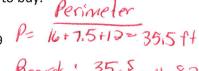
Chapter 11 Do Now

1. Jack needs to buy enough boards to make the frame of the triangular sandbox for his sons and enough sand to fill the box. If one board is 3 feet long and one bag of sand fills 9 square feet of the sandbox, how many boards and bags does Jack need to buy.





Real Real Perimeter

7.5 Perimeter

Area

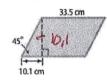
$$A = \frac{1}{2}(12)(9) = 54 \text{ F}$$

Boards: $\frac{35.5}{3} = 11.83$

Bags: $\frac{54}{9} = 6$

So la boards and 6 bags

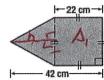
Find the area of the parallelogram.



he parallelogram.

$$h = |0.1|$$
 $A = |0.1| (33.5) = 38.35 cm^2$
 $b = 33.5$

Find the area of the composite figure. Round to the nearest tenth if necessary.



the composite figure. Round to the hearest tenth if necessary.

$$A_1 = \text{Rect}, \qquad A_2 = \text{Tris.}$$

$$A_1 = 20$$

$$A_2 = 20$$

$$A_3 = 20$$

$$A_4 = 20$$

$$A_4 = 20$$

$$A_4 = 20$$

$$A_4 = 20$$

$$A_5 = 20$$

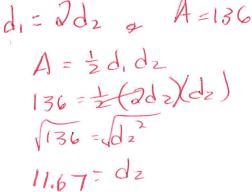
Dave goes out to lunch to grab a slice of pizza where each pie is cut into 8 slices. Would Dave's hunger be better satisfied with one slice of pizza from a 12 inch pie or 2 slices from an 8 inch pie?

$$A = \frac{45}{360} \left(11.4^{2} \right) \left(2 \right)$$

$$= \frac{1}{8} \left(1617 \right) \left(2 \right)$$

$$A = 377 \left(2 \right) = 477 \text{ in}$$

5. If one diagonal is twice as long as the other in a rhombus and the area is 136 square feet. Then was are the lengths of the diagonals?



$$d_1 = 2(11.67)$$

$$d_1 = 23.344+$$

$$d_2 = 11.67+$$