

# Homework Assignment

Name: \_\_\_\_\_

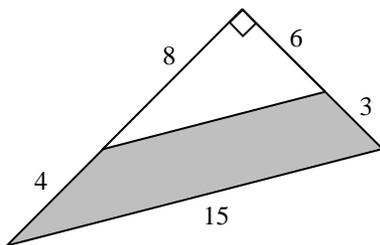
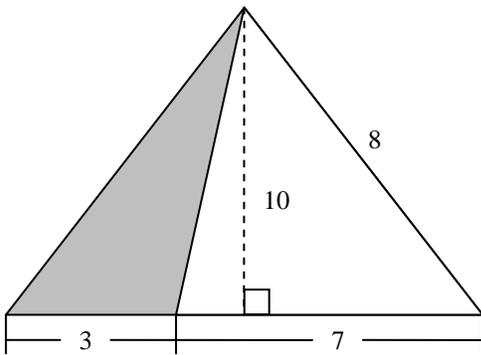
Score: \_\_\_\_\_

1. Solve the following (please show your work):

$$(57 - 9 \times 5) \div (8 - 2) + 8 =$$

$$64 \div 8 + 12 - 7 \times 2 + 9 \div 3 \times 4 =$$

2. Find the area of the shaded regions (drawing not to scale):

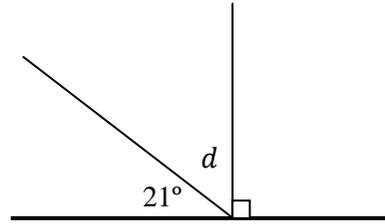
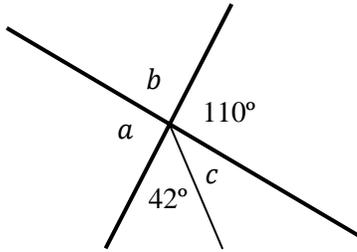


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3. Determine the missing angles,  $\angle a$ ,  $\angle b$ ,  $\angle c$ ,  $\angle d$ : (NOT TO SCALE)



4. Solve the problem:

- a. Hawkeye's quiver has three kinds of arrows in it: freezing arrows, Hulkbuster arrows, and toxic arrows. Half of the total amount of arrows he has are Hulkbuster arrows. He also has three times as many toxic arrows compared to freezing arrows. If he has 20 freezing arrows, **how many arrows does he have in total?**
- b. An army of 450 aliens are attacking the earth! But never fear as Captain America, Hulk and Thor are here to save the day. Captain America defeats 50 more aliens than Hulk and Thor combined. Hulk smashes four times as many aliens as Thor. How many aliens does each hero defeat?