

Adv. Review #77 (7th grade SOLs)

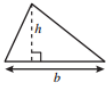
SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve.

$$\frac{-10 \cdot -5 + 3^3}{-10 + 3}$$

8. How much area is shown in the shaded region?

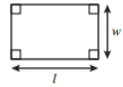
Geometric Formulas



$$A = \frac{1}{2}bh$$



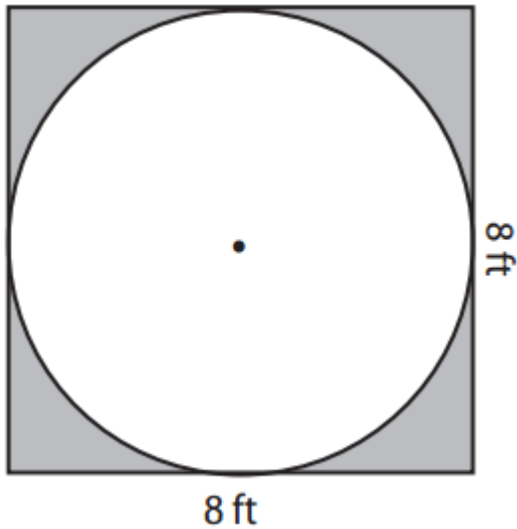
$$p = 4s$$
$$A = s^2$$



$$p = 2l + 2w$$
$$A = lw$$



$$C = 2\pi r$$
$$C = \pi d$$
$$A = \pi r^2$$



9.

What is the value of the expression below?

$$|15| + |-10|$$

- A. -25 B. -5 C. 5 D. 25

10. If 25, 16, 9, 4... is the pattern, what is the next perfect square number? Show how you know.