

Practice Problems

These problems are not to be handed in, but try them first.

- From Chapter 1 Review (pages 40–42): 1–4, 11–13, 28&29, 36&37;
- From Chapter 2 Review (pages 120–124): 5–9, 13–16 (using a calculator), 17, 47–50, 88.A&B, 90.A&B.

The answers to these should be in the back of your textbook.

Due Problems

These problems are due April 5 Thursday.

- 1 Solve the equation

$$S = 2A + ph$$

for h . (Show at least one intermediate step.)

- 2 Given that

$$f(x) = 2x + 3$$

for all x , find $f(3) - f(-1)$. (Show at least one intermediate step.)

- 3 A 30-foot ladder is leaning diagonally against the side of a building. (The walls of the building are vertical, and the ground is horizontal.) Let x be the distance along the ground from the base of the ladder to the building, and let y be the height above the ground at which the ladder reaches the building, both in feet.
- Write down an equation relating x and y in this situation.
 - What are the largest and smallest values that x and y can possibly take?