Find the square root(s).

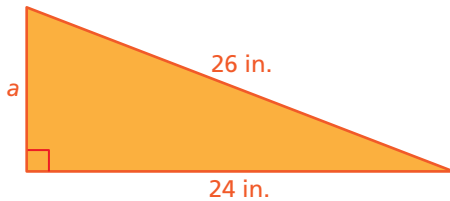1. $-\sqrt{1600}$

2. $\sqrt{\dfrac{25}{49}}$

3. $\pm\sqrt{\dfrac{100}{9}}$

Evaluate the expression.

4. $12 + 8\sqrt{16}$

5. $\dfrac{1}{2} + \sqrt{\dfrac{72}{2}}$

6. Find the missing length of the triangle.

                26 in.
     a
         24 in.

Tell whether the number is _rational_ or _irrational_. Explain.

7. 16π

8. $-\sqrt{49}$

Which number is greater? Explain.
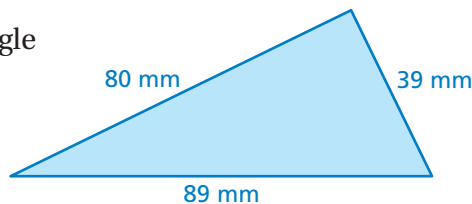
9. $\sqrt{0.16}$, $\dfrac{1}{2}$

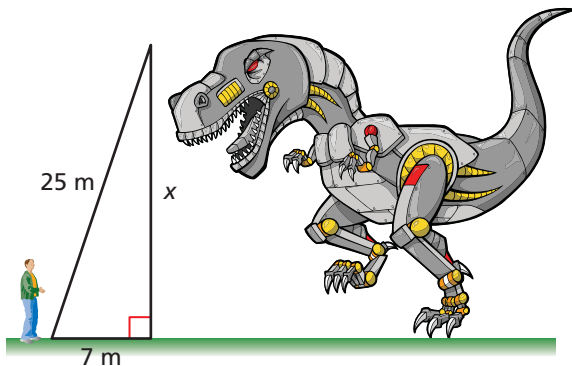10. $\sqrt{45}$, $6.\overline{3}$

Simplify the expression.

11. $6\sqrt{5} + 5\sqrt{5}$

12. $\sqrt{250}$

13. Tell whether the triangle is a right triangle.

    80 mm   39 mm
          89 mm

14. **ROBOT** Find the height of the dinosaur robot.

   25 m x
    7 m

15. **SUPERHERO** Find the altitude of the superhero balloon.

   61 ft x
     11 ft   6 ft