

- Estimate as a decimal:
  - $\sqrt{66}$
  - $\sqrt{2}$
- Find the distance between  $(-1, 2)$  and  $(5, -1)$ .  
Leave your answer as a radical.

#3-18, Simplify each of the following (review).

- $5\sqrt{18}$
- $\frac{1}{2}\sqrt{80}$
- $5\sqrt{\frac{4}{5}}$
- $2\sqrt{\frac{1}{2}}$
- $(3\sqrt{6})(7\sqrt{3})$
- $4\sqrt{2} - 5\sqrt{3} + 7\sqrt{2} - \sqrt{3}$
- $4\sqrt{7} - 3\sqrt{7}$
- $(2\sqrt{10})^2$

- $(\frac{1}{4}\sqrt{3})^2$
- $(3\sqrt{7} + 2)^2$
- $-2\sqrt{243}$
- $15\sqrt{\frac{1}{9}}$
- $(\sqrt{2} + 4)(1 - 5\sqrt{2})$
- $11\sqrt{6} \cdot -3\sqrt{2}$
- $\frac{8}{\sqrt{45}}$
- $\sqrt{3}(3\sqrt{6} + \sqrt{3})$

#19-25, Find the missing sides of the triangles. You can use 30-60-90 and 45-45-90 shortcuts.

