

1. Simplify each.

a) $\sqrt{98}$

b) $\sqrt{176}$

c) $\sqrt{567}$

Factor each completely.

2. $c^2 - 256$

3. $w^2 - 5w - 84$

4. $6g^2 + 11g - 10$

5. $32x^3 - 152x^2 + 36x$

6. $2a^2 - 3ab - 14b^2$

7. $x^4 + 7x^2 + 12$

8. $6w^5 - 96w$