

Factor each binomial.

1.  $x^2 - 4$

2.  $b^2 - 25$

3.  $c^2 - 100$

4.  $r^2 - 16$

5.  $9 - x^2$

6.  $144 - c^2$

7.  $16x^2 - y^2$

8.  $25m^2 - n^2$

9.  $x^2 - 4y^2$

10.  $x^4 - 64$

11.  $100x^2 - 81y^2$

12.  $64e^2 - 9f^2$

13.  $r^2s^2 - 144$

14.  $w^2 - \frac{1}{64}$

15.  $s^2 - \frac{1}{100}$

16.  $49x^2 - \frac{1}{9}$

17.  $\frac{4}{25} - \frac{49d^2}{81}$

18.  $49x^4 - 64y^4$

19.  $25x^6 - 121y^{10}$

20.  $x^4y^8 - 144a^6b^{10}$