Use the factoring method to solve each equation.
3. $x^{2}-x-20=0$
$(x-5)(x+4)=0$
$x-5=0$ or $x+4=0$
$x=5$ or $x=-4$

$$
\text { 5. } \begin{gathered}
2 x^{2}-7 x+3=0 \\
(2 x-1)(x-3)=0 \\
2 x-1=0 \text { or } x-3=0 \\
2 x=1 \\
x=1 / 2 \text { or } x=3
\end{gathered}
$$

$$
\text { 13. } \begin{gathered}
3 x^{2}-7 x=0 \\
x(3 x-7)=0 \\
x=0 \text { or } 3 x-7=0 \\
3 x=7 \\
x=0 \text { or } x=7 / 3
\end{gathered}
$$

16. $9 x^{2}-16=0$

$$
\begin{gathered}
(3 x-4)(3 x+4)=0 \\
3 x-4=0 \text { or } 3 x+4=0 \\
3 x=4 \quad 3 x=-4 \\
x=4 / 3 \text { or } x=-4 / 3 \\
x= \pm 4 / 3
\end{gathered}
$$

17. $x^{2}-6 x+9=0$

$$
\begin{gathered}
(x-3)^{2}=0 \\
x-3=0 \\
x=3
\end{gathered}
$$

20. $25 x^{2}+40 x+16=0$

$$
(5 x+4)^{2}=0
$$

$$
5 x+4=0
$$

$$
5 x=-4
$$

$$
x=-4 / 5
$$

