Multiplying and Dividing Rational Expressions

1. Multiply.
(similar to p.452 #16)

$$\frac{x+5}{18x} \cdot \frac{9x^3}{x^2-25}$$

2. Multiply.
(similar to p.452 #18)

$$\frac{4x+16}{x^2-3x-28} \cdot \frac{2x}{32}$$

3. Multiply.
(similar to p.452 #20)

$$\frac{10x-2}{x^2-9} \cdot \frac{x^2+2x-3}{5x^2-6x+1}$$

4. Multiply.
(similar to p.452 #22)

$$(x+6) \cdot \frac{x+7}{x^2-4x-60}$$

5. Divide.
(similar to p.452 #22)

$$\frac{x^2-1}{20x^2} \div \frac{x^2-21x+20}{5x}$$

6. Divide.
(similar to p.452 #30)

$$\frac{10x^2 + 26x - 12}{5x^2 - 7x + 2} \div \frac{(x+3)^2}{x^2 + 2x - 3}$$