Simplify.

(1) $\dfrac{3x^3 - 6x^2}{6x^2} =$

(2) $\dfrac{5y^2 - 20}{4 - 2y} =$

(3) $\dfrac{2t^2 + t - 6}{t^2 + t - 2} =$

(4) $\dfrac{6r^2 - r - 1}{2r^2 + 9r - 5} =$

Multiply.

(5) $\dfrac{3y}{4xy - 6y^2} \times \dfrac{3y - 2x}{12x} =$

(6) $\dfrac{4a^2 - 1}{a^2 - 16} \times \dfrac{a^2 - 4a}{2a + 1} =$

(7) $\dfrac{c^2-5c-14}{c^2-8c+16}\times\dfrac{c^2+2c-24}{c^2-4}$ =

(8) $\dfrac{3p^2-7p-6}{2p^2-p-1}\times\dfrac{2p^2-9p-5}{3p^2-13p-10}$ =

Divide.

(9) $\dfrac{\dfrac{6k-27}{5k}}{\dfrac{18-4k}{k}}$ =

(10) $\dfrac{x^2+2x-15}{x^2+3x-10}\div\dfrac{x^2-9}{x^2-9x+14}$ =

(11) $\dfrac{u^2-1}{u^2}\div(u^2-5u+4)$ =

(12) $\dfrac{\dfrac{2g^2-g-6}{3g^2+4g+1}}{\dfrac{3g^2+7g+2}{2g^2+7g+6}}$ =