

Ana2T D2 Chp 8

Chap

8.4 p577 #6-10, 25-30, 36-38

$$(6) \frac{4x^2}{4x(5x-3)} = \boxed{\frac{x}{5x-3}}$$

$$(7) \frac{(x-5)(x+4)}{(x+5)(x-3)} \quad \boxed{\text{Simplified}}$$

$$(8) \frac{(x+6)(x-4)}{(x+1)(x+6)} = \boxed{\frac{x-4}{x+1}}$$

$$(9) \frac{(\cancel{x-8})(x+3)}{(\cancel{x-8})(x+5)} = \boxed{\frac{x+3}{x+5}} \quad \cdot x$$

$$(10) \frac{(x+2)(x+2)}{(x-4)(x-1)} \quad \boxed{\text{simplified}}$$

$$(25) \frac{\cancel{4}8x^5y^3}{y^4} \cdot \frac{x^2y}{\cancel{6}x^3y^2} = \frac{8x^7y^4}{x^3y^6} = \boxed{\frac{8x^4}{y^2}} \quad \uparrow 2$$

$$(26) \frac{x(x-3)}{(\cancel{x-2})} \cdot \frac{(x+3)(\cancel{x-2})}{*} = \boxed{(x-3)(x+3)}$$

$$(27) \frac{\cancel{4}^2(x+\cancel{5})}{x^2} \cdot \frac{x(x+1)}{\cancel{2}(x+\cancel{5})} = \boxed{\frac{2(x+1)}{2x}}$$

$$(28) \frac{3(\cancel{x-4})(x+6)}{(x+5)\cancel{2}(x+\cancel{4})} = \boxed{\frac{3(x+6)}{2(x+5)}} \quad \frac{(x-4)(x+4)}{(x-4)(x+4)}$$

$$(29) \frac{(\cancel{x+5})\cancel{2}(x^2-\cancel{16})}{\cancel{2}4(\cancel{x-4})(x-5)(x+\cancel{5})} = \boxed{\frac{x+4}{2(x-5)}} \quad \cdot 3\log_2 3$$

$$(30) \frac{(x+4)(\cancel{x-1})2x(\cancel{x+2})}{(x+2)(\cancel{x+2})(x-3)(\cancel{x-1})} = \boxed{\frac{2x(x+4)}{(x+2)(x-3)}}$$

$$(36) \frac{\cancel{(x+3)}(x-2)}{x(x+1)} \cdot \frac{x}{\cancel{(x+3)}} = \boxed{\frac{x-2}{x+1}}$$

$$(37) \frac{8x^2}{(x+4)} \cdot \frac{2(x-4)}{x} = \boxed{\frac{16x(x-4)}{x+4}}$$

$$(38) \frac{\cancel{(x-9)}(x+3)}{2x(x+1)} \cdot \frac{x^2}{\cancel{(x-9)}(x-5)} = \boxed{\frac{x(x+3)}{2(x+1)(x-5)}}$$

↑ 2

3log₂ 7