More Practice with Rational Expressions

1. $\dfrac{a(a-8)\,4a}{10a^3(a-8)(a-3)} = \dfrac{2}{5a(a-3)} = \boxed{\dfrac{2}{5a^2-15a}}$

2. $\dfrac{(b+2)(b+6)(b+6)(b-6)}{(b+2)(b-6)\,6b} = \dfrac{(b+6)(b+6)}{6b} = \boxed{\dfrac{b^2+12b+36}{6b}}$

3. $\dfrac{18(c-2)(c-9)}{(c+2)(c-2)4(c-9)} = \dfrac{9}{2(c+2)} = \boxed{\dfrac{9}{2c+4}}$

4. $\dfrac{(d-1)(2d+1)(d+5)}{(d+5)(d+1)(d-1)} = \boxed{\dfrac{2d+1}{d+1}}$

5. $\dfrac{(e-4)(e-4)\,12e\,(e-3)}{4\cdot 9e\,(e-4)} = \dfrac{(e-4)(e-3)}{3} = \boxed{\dfrac{e^2-7e+12}{3}}$

6. $\dfrac{(m^2+n^2)(m+n)(m-n)\,m^3}{m^2(m^2+n^2)(m+n)(m+n)} = \dfrac{m(m-n)}{m+n} = \boxed{\dfrac{m^2-mn}{m+n}}$