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$$(37) r^{-3} = \frac{1}{r^3} = \frac{1}{(-3)^3} = -\frac{1}{27}$$

$$(38) s^{-3} = \frac{1}{s^3} = \frac{1}{5^3} = \frac{1}{125}$$

$$(39) \frac{3r}{s^2} = 3rs^2 = 3(-3)(5^2) = -9(25) = -225$$

$$(40) \frac{s^0}{r^{-2}} = \frac{1}{r^{-2}} = r^2 = (-3)^2 = 9$$

$$(41) 4s^{-1} = \frac{4}{s} = \frac{4}{5}$$

$$(42) r^0 s^{-2} = (1)s^{-2} = s^{-2} = \frac{1}{s^2} = \frac{1}{5^2} = \frac{1}{25}$$

$$(43) r^{-4} s^2 = \frac{s^2}{r^4} = \frac{5^2}{(-3)^4} = \frac{25}{81}$$

$$(44) 2^{-4} r^3 s^{-2} = \frac{r^3}{2^4 s^2} = \frac{(-3)^3}{16(5^2)} = \frac{-27}{400}$$

(47) Neg (48) pos (49) neg (50) neg

(56) ab^2 (57) $4gh^{-3}$ (58) $\frac{5m^6n^{-1}}{3}$ (59) $\frac{8c^5d^4e^2}{11}$

(66) 1