Powers with Negative Rational Exponents

Review:
$$2+3 = (3)+2 = 3 = 9$$

 $(9)^{\frac{3}{5}} = (9)^{\frac{3}{16}} = (3)^{\frac{3}{4}} = 27$
 $4^{-2} = \frac{1}{4^{2}} = \frac{1}{16}$
 $(2)^{-4} (3)^{\frac{4}{3}} = 81$

$$4^{-\frac{3}{2}} = \frac{1}{4^{\frac{3}{2}}} = \frac{1}{4^{\frac{3}{2}}} = \frac{1}{4^{\frac{3}{2}}} = \frac{1}{4}$$

$$4^{-\frac{3}{2}} = \left(\frac{1}{4}\right)^{\frac{3}{2}} = \left(\frac{1}{4}\right)^{\frac{3}{2}} = \left(\frac{1}{4}\right)^{\frac{3}{2}} = \frac{1}{4}$$

$$7^{-1.5} = 9^{-\frac{3}{2}} = \frac{1}{4^{\frac{3}{2}}} = \frac{1}{4^{\frac{3}{2}}$$

$$(1) (-3+)^{3} = (-3+)^{\frac{3}{3}} = (-3)^{\frac{3}{3}} = (-3)$$

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