

4.3 Do Now (pre)Quiz: Fractional exponents A.SSE.3c Exponent properties

1. Select *all* solutions to each equation.

(a) $x \cdot x = 7$

i. $\frac{1}{49}$

ii. $\sqrt{7}$

iii. $\frac{7}{2}$

iv. $7^{\frac{1}{2}}$

v. $\frac{\sqrt{7}}{2}$

vi. $\sqrt{49}$

(b) $p \cdot p \cdot p = 5$

i. $5^{\frac{1}{3}}$

ii. $\sqrt{5}$

iii. $\frac{5}{3}$

iv. $\frac{\sqrt{5}}{3}$

v. $\sqrt[3]{5}$

vi. $\frac{1}{3}\sqrt{5}$

2. Know single digit arithmetic. No calculator on this section.

(a) $4 \times 5 =$

(d) $4 \times 9 =$

(b) $9 \times 3 =$

(e) $6 \times 8 =$

(c) $7 \times 5 =$

(f) $3 \times 7 =$

3. Know single digit arithmetic. No calculator on this section.

(a) $15 \div 3 =$

(d) $64 \div 8 =$

(b) $18 \div 2 =$

(e) $72 \div 9 =$

(c) $42 \div 6 =$

(f) $63 \div 7 =$

4. Evaluate the following expressions.

(a) $6^2 =$

(d) $3^3 =$

(b) $5^2 =$

(e) $1^3 =$

(c) $8^2 =$

(f) $2^3 =$