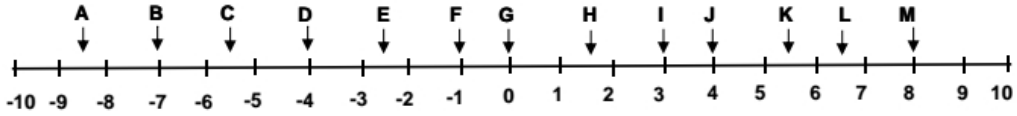
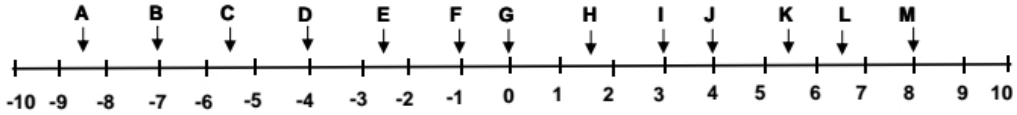
Review Test
Practical Math Foundation
Tier 1 Pre-Algebra
Introduction to Pre-Algebra

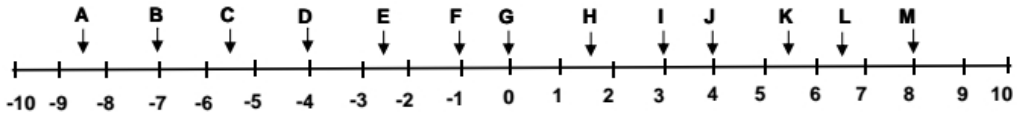
1) $(A + B)^2 - (A - B)^2 =$
2) $rs^2 - rst + rt^3 = r(?)$
3) $1/\sqrt{(5^2 + 12^2)} =$
4) $\sqrt{(9/25)} =$
5) What type of number is 5/6?
6) On the following number line, what is the number below point K?



7) On the following number line, is the number below point D greater than or lesser than the number below point J?



8) $2.8 \times 5 + 2.8 \times 4 - 2.8 \times 8 + 2.8 \times 3 + 2.8 \times 6 =$
9) $-0.45 \times (-0.79) =$
10) $(8^{2/3}) =$
11) $(4^2)^5 =$
12) $\sqrt{(\sqrt{4} + \sqrt{49})} =$
13) $-72.45 + (-46.87) - 13.61 =$
14) $(45.3 \times 3.6)^2 =$
15) On the following number line, what is the value of J - B?



16) What number is 2x1000 + 4x100 + 0x10 + 3 + 0.7 + 0.05?
17) $2\ 7/8 \times 3\ 4/5 =$
18) $-1 \times 13.6 \times 15.2 =$
19) $(1/12 + 1/15)^2 =$
20) $3\ 3/4 \div 2/3 =$

Review Test Answer Key
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1) 4AB *(P7 – Squares, x^2)*
2) $(s^2 – st + t^3)$ *(P5 – Distributive Law, + and x combined)*
3) 1/13 = 0.0769 *(P9 – Reciprocal, 1/x)*
4) 3/5 = 0.6 *(P8 – Square Roots, √x)*
5) Fraction or rational number *(P1 – Real Numbers, Integers, and Rationals)*
6) 5.5 *(P2 – The Number Line, Negative Numbers)*
7) Lesser than (<) *(P2 – The Number Line, Negative Numbers)*
8) 2.8 x 10 = 28 *(P5 – Distributive Law, + and x combined)*
9) 0.3555 *(P4 – Rules of Multiplication x, ÷)*
10) $(8^{1/3})^2 = 2^2 = 4$ *(P10 – Exponents y^x (Optional for Foundation))*
11) 4^{10} = 1,048,576 *(P10 – Exponents y^x (Optional for Foundation))*
12) 3 *(P8 – Square Roots, √x)*
13) -132.93 *(P3 – Rules of Addition +, -)*
14) 26,595.09 *(P7 – Squares, x^2)*
15) J – B = 4 – (-7) = 11 *(P3 – Rules of Addition +, -)*
16) 2,403.75 *(P1 – Real Numbers, Integers, and Rationals)*
17) 10 37/40 = 437/40 = 10.925 *(P6 – Fractions, a/b and c/d, Rules)*
18) -206.72 *(P4 – Rules of Multiplication x, ÷)*
19) 0.0225 *(P9 – Reciprocal, 1/x)*
20) 5 5/8 = 45/8 = 5.625 *(P6 – Fractions, a/b and c/d, Rules)*