*Jumpstart Math Checklist Answers*

1. **Percentage** *A computer is on sale for $1600, which is a 20% discount off the regular price. What is the regular price?* Answer 2000
2. **Probability** *What is the chance of rolling an even number with one toss of a number cube?*

Answer 3/6 = ½ = 50%

1. **Significant Figures** *How many Significant Figures (Digits) in 0.000122300?* Answer SIX

1. **Exponents** 32/33 *= ?* Answer: 3-1 or 1/3
2. **Scientific Notation** *Write 0.000122300 with Scientific Notation.* Answer: 1.22300 x 10-4
3. **Absolute Value** *If and , solve* Answer 6
4. **Logarithms** Solve [y = log2x3 – 3] when x =1 and x=8 Answer: -3 and 6
5. **Inequality** *Solve |2x + 1| > 7* Answer x >3/x<-4
6. **Trigonometry – Angles** *Find the value of: cos 30/sin 60/sin 45/tan 45 = 0.866/0.866/0.707/1*
7. **Functions** *Write the perimeter of a square p as a function of A. [p(A)]* :

p(A) = 4

1. **Limits:**

* *∞*
* *-0.5*
* *0*

1. **Derivatives**

* *2x*
* *12x2*
* *2cos (x) – 2xsin(x)*