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**Solve Quadratic Equations Using the Quadratic Formula**

**Worksheet 597**

**Solve each equation by using the Quadratic Formula. Round to the nearest tenth if necessary.**

**1.** *x*² – 3*x* + 2 = 0 **2.**  *m*² – 8*m* = –16 **3.** 16*r*² – 8*r* = –1

**4.**  *x*² + 5*x* = 6 **5.** 3*x*² + 2*x* = 8 **6.** 8*x*² – 8*x* – 5 = 0

**7.** –4*c*² + 19*c* = 21 **8.** 2*p*² + 6*p* = 5 **9.** 48*x*² *+*22*x* – 15 = 0

**10.** 8*x*² – 4*x* = 24 **11.** 2*p*² + 5*p* = 8 **12.** 8*y*² + 9*y* – 4 = 0

**13.** 2*x*² + 9*x* + 4 = 0 **14.** 8*y*² + 17*y* + 2 = 0 **15.** 3*z*² *+* 5*z* – 2 = 0

**16.** –2*x*² + 8*x* + 4 = 0 **17.** *a*² + 3*a* = 2 **18.** 2*y*² – 6*y* + 4 = 0