

**Utah Aspire Plus Mathematics  
Question Sampler Answer Keys**

Question Number	Item Type	Key/Example Response
1	Multiple Choice	C
2	Multiple Choice	A
3	Technology Enhanced	(3, 4) (1, 1) (1, 5)
4	Technology Enhanced*	0.92 OR .92
5	Technology Enhanced	Irrational Rational Rational Irrational
6	Technology Enhanced*	Plot (10, 3) and (10, 14) OR Plot (10, 4) and (10, 13)
7	Multiple Choice	E
8	Technology Enhanced	Function A, Function C, Function B
9	Technology Enhanced	Segment bisectors create two congruent segments. $\angle LPM \cong \angle NPO$ ; Vertical angles are congruent. SAS
10	Multiple Choice	B
11	Technology Enhanced*	$(Ax + By)/(A + B)$ OR $Ax/(A + B) + By/(A + B)$
12	Technology Enhanced	$A''(-1, -5)$ ; $B''(6, -3)$ ; $C''(-1, 3)$
13	Technology Enhanced*	9; 19; 29; 39 OR 9; 16.1; 23.2; 30.3
14	Multiple Choice	A
15	Technology Enhanced*	1 2
16	Technology Enhanced*	$m\angle 1 + m\angle 2 = 180^\circ$ ; $m\angle 2 + m\angle 3 = 180^\circ$ $m\angle 1 + m\angle 2 = m\angle 2 + m\angle 3$ $m\angle 1 = m\angle 3$ OR $m\angle 2 + m\angle 3 = 180^\circ$ ; $m\angle 1 + m\angle 2 = 180^\circ$ $m\angle 1 + m\angle 2 = m\angle 2 + m\angle 3$ $m\angle 1 = m\angle 3$
17	Technology Enhanced	271; 27 39; 663 39/702
18	Technology Enhanced*	$g(x) = (16/27)x^3 - (4/9)x^2 + (1/3)x$
19	Multiple Choice	D, F, B
20	Technology Enhanced*	3 OR 3.
21	Multiple Choice	C

\*Some technology enhanced items have more than 1 correct answer. Only 1 or 2 example correct answers are listed.