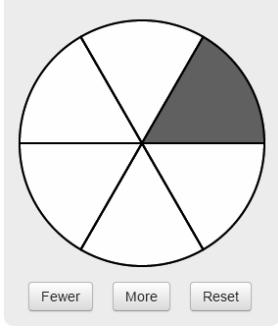
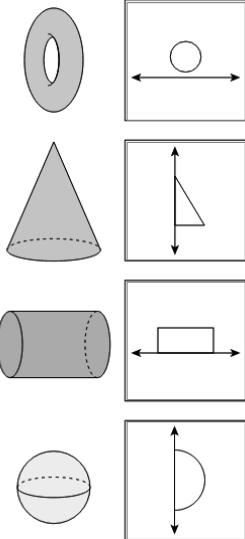
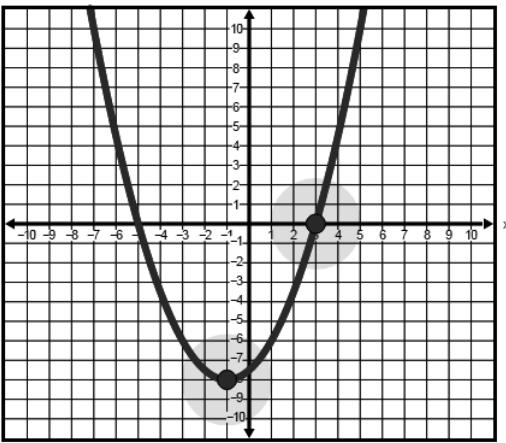


Released Test Answer and Alignment Document
Integrated Mathematics III
End of Year Assessment

Item Number	Answer Key	Evidence Statement Key	Traditional Course Alignment
1.	B, E, F	A-APR.3-1	Alg. 1
2.	Part A: 1 Part B: D, E, F	A.Int.1	Alg. 1
3.		G-C.B	Geo.
4.	radius = 3 units center : (5, -1)	G-GPE.1-2	Geo.
5.	Part A: 3 Part B: C	G-GPE.1-2	Geo.
6.	C, E	A-APR.2	Alg. 2
7.	1	A-REI.2	Alg. 2
8.	Part A: D Part B: C	A-Int.1	Alg. 2
9.	$a = 1$ <input type="checkbox"/> B $a = 0$ <input type="checkbox"/> A $a = -1$ <input type="checkbox"/>	A.Int.1	Alg. 2

10.		G-GMD.4	Geo.
11.	(3.5, -0.5)	G-GPE.6	Geo.
12.	Part A: A Part B: 12,000	G-Int.1	Geo.
13.	7.3	G-GPE.6	Geo.
14.	<p>Part A: The measure of $\angle ACD$ is <input type="text" value="a third"/> the measure of $\angle ADC$.</p> <p>Part B: The measure of $\angle ADC$ is <input type="text" value="equal to"/> the measure of $\angle BCD$.</p>	G-C.2	Geo.
15.	Part A: B, C, D Part A: C	G-CO.D	Geo.
16.	Part A: 335 or 334 Part B: 378 Part C: 6.5 or 6.4 Part D: 7	G-Int.1	Geo.
17.	Part A: 12 Part B: 12.7 or 12.6 or 12.8	G-Int.1	Geo.
18.	<p>Part A: C, E Part B: If the opening of the compass is <input type="text" value="equal to XY"/> , then $\triangle XYZ$ will be equilateral.</p>	G-CO.D	Geo.

19.	Part A: 136 Part B: 68	G-C.2	Geo.
20.	30	G-C.2	Geo.
21.	A	F-BF.3-2	Alg. 2
22.	Formula: $n = f^{-1}(p) = \frac{1}{30}p + 15$ Minimum number of cakes: 32	F-BF.Int.2	Alg. 2
23.	<p>Part A:</p> <p>Part B:</p> <p>The function f is symmetric about <input type="text" value="the y-axis"/> because for all values of x, $f(-x) = \boxed{f(x)}$.</p>	F-IF.4-2	Alg. 2
24.	0.6	F-TF.8-2	Alg. 2
25.	Part A: B Part B: B, D, F	F-Int.3	Alg. 2
26.	<p>Part A:</p> $n(x) = 19.95x + 1476.30$ <p>Note: or equivalent equation</p> <p>Part B: 19.95</p> <p>Part C: D</p> <p>Part D:</p> $P(s) = 8.2s$ <p>Note: or equivalent equation</p>	HS-Int.3-3	Alg. 2

27.	Part A: 1.02 Part B: C	A-SSE.4-2	Alg. 2
28.	D, F	A-SSE.2-3	Alg. 2
29.		F-IF.7c	Alg. 2
30.	D	S-IC.2	Alg. 2
31.	Part A: According to the specifications, approximately <input type="text" value="84"/> percent of the bags weigh 4.00 ounces or more. Part B: 1.5	S-ID.4	Alg. 2
32.	kWh used in April : 708.88 Total cost for April : 65.52	S-ID.6a-2	Alg. 2
33.	Part A: B Part B: 23.7 or 23.8	S-IC.Int.1	Alg. 2
34.	(<input <input="" td="" type="text" value="5" })(<input="" }))<="" },=""/> <td>A-REI.11-2</td> <td>Alg. 2</td>	A-REI.11-2	Alg. 2
35.	Part A: $2j^4 - 8j^2$ Part B: B, E, F	A-SSE.2-6	Alg. 2
36.	Part A: B Part B: 1594 or 1593	A-SSE.4-2	Alg. 2