

Calculus

W 21 November 2012

RESET THE
SESSION

SET THE
PARTICIPANT
LIST

PLUG IN THE
RECEIVER

Boxed answers agree with
TurningPoint answers

Points agree with
TurningPoint points

Points total to 100

Topics covered are in bounds

QUIZ
FOLLOWS

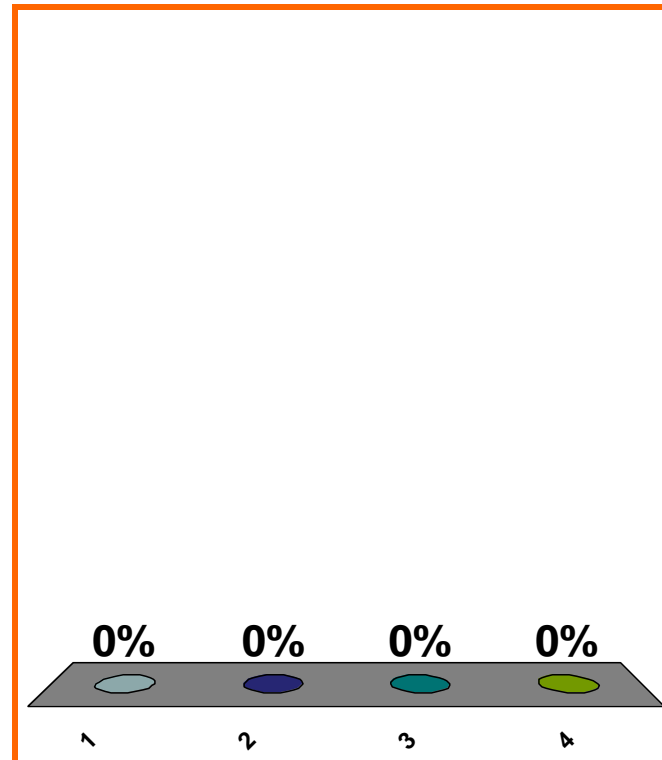
$$\int_1^3 (\sin \theta) d\theta = ??$$

(a) $(\cos \theta) + C$

(b) $[\cos \theta]_{\theta: \rightarrow 1}^{\theta: \rightarrow 3}$

(c) $[-\cos \theta]_{\theta: \rightarrow 1}^{\theta: \rightarrow 3}$

(d) none of the above



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

0 of 5

Topic 0610

20 pts

5

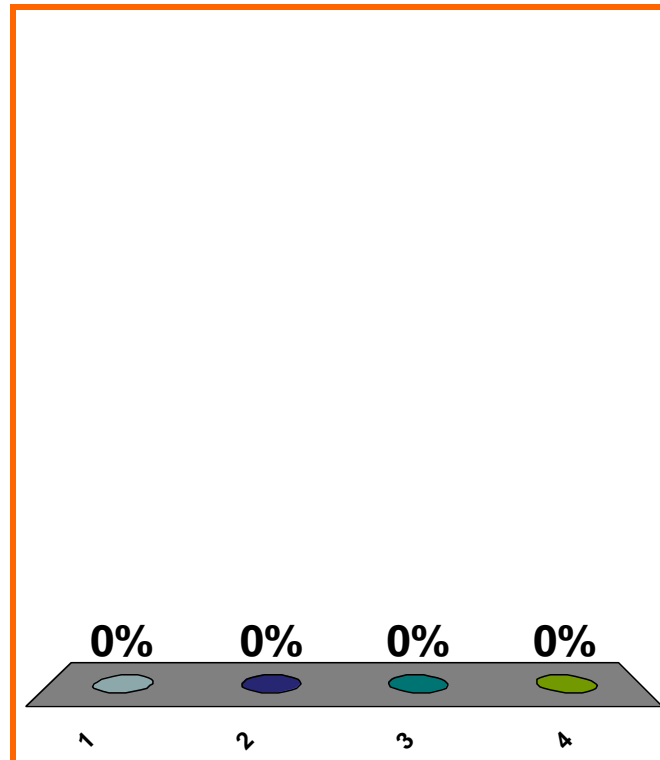
$$\frac{d}{dx} \left[\int_1^x \cos t \, dt \right]$$

(a) $-\cos x$

(b) $(\sin 1) - (\sin x)$

(c) $\cos x$

(d) none of the above



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

$$F'(t) = e^{t^2}$$

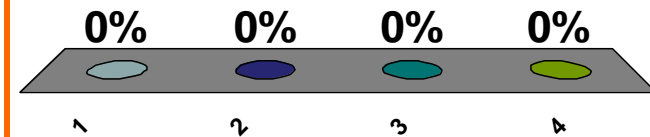
$$\frac{d}{dx} \left[\int_{x^2}^{x^5} e^{t^2} dt \right]$$

(a) $\frac{d}{dx} \left[(F(x))^5 - (F(x))^2 \right]$

(b) $\frac{d}{dx} \left[(F(x^5)) - (F(x^2)) \right]$

(c) $\frac{d}{dx} \left[(F(x^5))(5x^4) - (F(x^2))(2x) \right]$

(d) none of the above



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

0 of 5

Topic 0620

20 pts

7

$$F'(t) = e^{t^2}$$

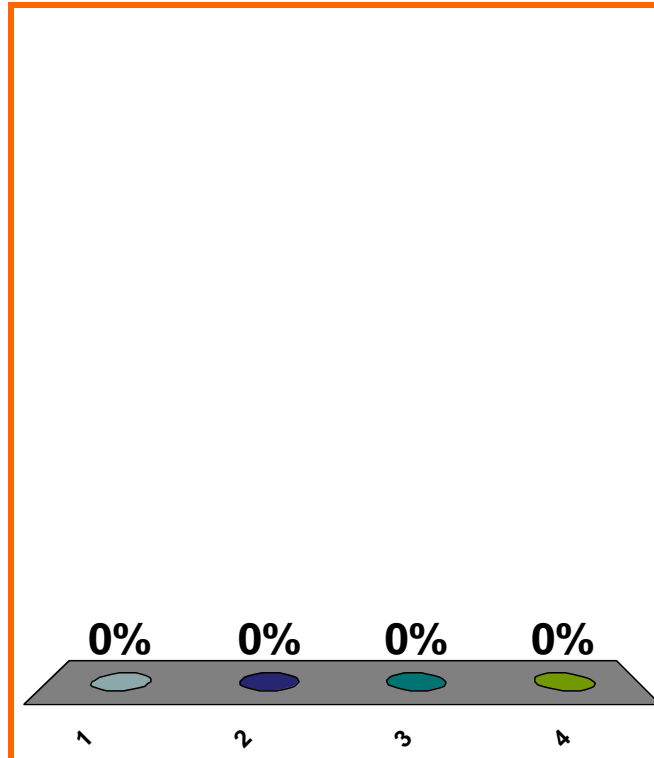
$$\frac{d}{dx} [(F(x^5)) - (F(x^2))]$$

(a) $(F'(x^5)) - (F'(x^2))$

(b) $(F(x^5))(5x^4) - (F(x^2))(2x)$

(c) $(F'(x^5))(5x^4) - (F'(x^2))(2x)$

(d) none of the above



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

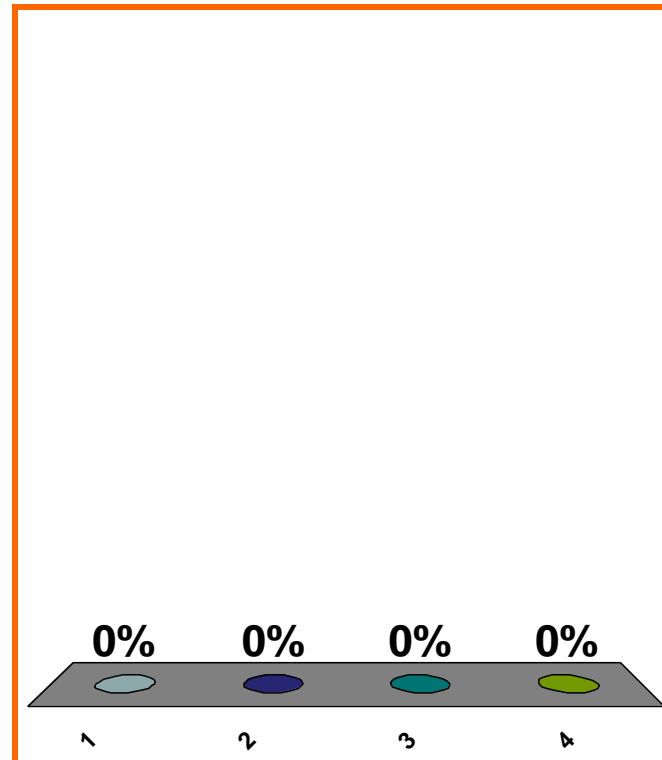
$$\int \sin(2x) dx = ??$$

(a) $2 \cos(2x) + C$

(b) $\frac{\cos(2x)}{2} + C$

(c) $-2 \cos(2x) + C$

(d) $-\frac{\cos(2x)}{2} + C$



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

SAVE THE
SESSION
DATA

RETURN TO
PRESENTATION