Radio transmitter control quiz		
Student Name	Date	Class Period
1. A transmitter is using a crystal receiver has a crystal with a refrequency is close enough to a A. True B. False	esonant frequency of 79.	quency of 75.49 megahertz. A 41 megahertz. The transmitter
2. Resonance phenomena only of A. True B. False	occur in electronic circui	its.
3. The RF signal from a Vex tra A. only to the left of the B. only to the right of th C. only in an axial direct D. only in a radial direct E. none of the above	remote control operator e remote control operator tion along the antenna le	or ength
4. A fresh battery is critical to the investigations.A. TrueB. False	he remote system when	conducting experimental
5. The size and shape of the Ver A. Equal B. The receiver crystal i C. The receiver crystal i D. None of the above	s larger than the transmi	tter crystal
6. When using the remote control. A. antenna position only B. distance to the receiv C. battery power in the t D. all of the above are in E. none of the above are	er only cransmitter only nportant	e following items are important:

- 7. The time period for a 75.93 MHz Crystal is: (you must use a calculator to answer)
 - A. 7.593 microseconds
 - B. 75.93 nanoseconds
 - C. 13.17 nanoseconds
 - D. 1.317 nanoseconds
 - E. 131.7 microseconds

$$T = \frac{1}{f}$$

- 8. The frequency for a crystal having a time period of 2.5 microseconds is:
 - A. 250 megahertz
 - B. 25 kilohertz
 - C. 4 megahertz
 - D. 400 kilohertz
 - E. 4 gigahertz

$$f = \frac{1}{T}$$

- 9. The difference between a 75.41 megahertz crystal and a 75.49 megahertz crystal is:
 - A. so small it is meaningless
 - B. .08 megahertz
 - C. 80 kilohertz
 - D. A and B
 - E. B and C
- 10. The time period difference between a 75. 89 megahertz crystal and a 75.49 megahertz crystal is:
 - A. so small it is meaningless
 - B. 1.25 microseconds
 - C. 12.5 microseconds
 - D. 0.4 nanoseconds
 - E. 12. 5 megahertz