Why Is a Hill Like a Lazy Young Dog?

Solve each problem, assuming that all interest rates indicate annual simple interest. Cross out the box that contains your solution. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

(1) $0.05x + 0.09(3x) = 32$

(2) $0.08n + 0.12(n + 500) = 180$

(3) $0.15d + 0.07(1000 - d) = 130$

(4) $0.125y + 0.1(800 - y) = 85$

(5) Ms. Twinkle invested part of her savings at 6% and the rest at 9%. The amount at 9% was twice the amount at 6%. If her total return after one year was \$72, find the amount invested at each rate.

_____ at 6%; _____ at 9%

(6) Rockjaw invested part of his savings at 7% and the rest at 13%. The amount at 7% was \$200 more than the amount at 13%. If his total return after one year was \$84, find the amount invested at each rate.

_____ at 13%; _____ at 7%

(7) Cirilla invested part of her savings at 10% and the rest at 8%. The amount at 8% was \$1500 more than the amount at 10%. If the total annual income is \$480, how much was invested at each rate?

_____ at 10%; _____ at 8%

(8) Patty Wack had \$900. She invested part of it at 12% and the rest at 9%. If her total annual return was \$96, how much did she invest at each rate?

_____ at 12%; _____ at 9%

(9) Dr. Beaker invested \$3000, part at 8% and the rest at $7\frac{1}{2}$%. The total return for one year was \$231. How much was invested at each rate?

_____ at 8%; _____ at $7\frac{1}{2}$%

(10) A scholarship fund raised \$7000 in contributions. Part was invested in bonds paying 6% interest, and the rest was invested in bank certificates paying $8\frac{1}{2}$%. If the total annual income is \$520, find the amount invested at each rate.

_____ at 6%; _____ at $8\frac{1}{2}$%

AB 750	AD \$500; \$400	IT \$200; \$400	OG \$350; \$550	IS 450	IN 100	AS \$1400; \$1600	IT \$3000; \$4000
LE \$300; \$600	LO \$2500; \$4500	EP 200	VE \$1200; \$1800	PE \$700; \$200	TS \$2000; \$3500	UP \$2500; \$4000	AT 600

What Did Finnegan Dislike About the Candle-Making Business ?

Solve each problem below. Assume that all interest rates indicate annual simple interest. Find your solution in the answer column and notice the three letters next to it. Write these letters in the three boxes that contain the number of that exercise.

(1) Solve: $0.05(x + 900) = 0.08x$

(2) Solve: $0.065(x - 2000) = 0.04x + 70$

(3) Sam Quirk invested $7000, part at 7% and the rest at 11%. If his total return for one year was $690, how much was invested at each rate?

_____ at 7%; _____ at 11%

(4) An investment fund has $3000 more invested at 8% than it does at 10%. If the annual return from the 8% investment is the same as the annual return from the 10% investment, how much is invested at each rate?

_____ at 10%; _____ at 8%

(5) Ms. Smyle has $200 less invested at 9% than she does at $6\frac{1}{2}$%. If the annual return from the two investments is the same, how much is invested at each rate?

_____ at $6\frac{1}{2}$%; _____ at 9%

(NSA)	$7200
(THE)	$9500; $12,500
(RKO)	$2000; $5000
(BRA)	$750; $950
(ADT)	1500
(NWI)	$6000
(CKE)	$720; $520
(OMA)	$2400; $4000
(NDS)	8000
(ION)	4200
(OWO)	$2100; $3700
(HEH)	$12,000; $15,000
(STA)	$2500; $4500

(6) Sally Snuggle has $1600 more invested at 5% than she does at 8%. The annual return from the 5% investment is $17 more than the annual return from the 8% investment. How much is invested at each rate?

_____ at 8%; _____ at 5%

(7) Merlin invested half of his money at 12%, one fourth at 8%, and the rest at 6%. If the total annual income is $570, how much was invested altogether?

4	4	4	1	1	1	6	6	6	3	3	3	7	7	7	5	5	5	2	2	2