are invalid Identify the forms of the arguments in Problems 36-45. Those without a specific name

- 36. Mr. Jones intends to buy either a Ford or a Chevrolet. But he doesn't intend to buy a Ford. Therefore, he intends to buy a Chevrolet
- a. Disjunctive syllogism
- Modus ponens
- c. Modus tollens
- Invalid
- Denying the antecedent
- 37. If there's a prowler in the yard, then the dog is barking. Since the dog is barking we may conclude there's a prowler in the yard
- a. Pure hypothetical syllogism
- Modus ponens
- Denying the antecedent
- d. Modus tollens
- Affirming the consequent
- 38. If Lisa stays up all night studying, then she'll be too tired to take the test; but if she up or not stay up, she will either be too tired to take the test or she'll fail the test. doesn't stay up all night studying, then she'll fail the test. Since she must either stay
- a. Modus ponens
- Invalid
- Constructive dilemma
- d. Denying the antecedent
- Destructive dilemma
- Either your camera is broken or your film is defective. Since your film is indeed defective, we may conclude that your camera is all right.
- a. Disjunctive syllogism
- Invalid
- Denying the antecedent
- Modus tollens
- Affirming the consequent
- 40. If George drinks too much, then he won't be sober. But if George isn't sober, then he shouldn't drive home. Therefore, if George drinks too much, then he shouldn't drive
- Pure hypothetical syllogism
- Constructive dilemma
- Invalid
- Destructive dilemma
- Modus ponens

- 41. If Mary brushes with Sparkle toothpaste, then she doesn't have cavities. But she does have cavities. Therefore, Mary doesn't brush with Sparkle.
- a. Modus ponens
- Pure hypothetical syllogism
- Affirming the consequent
- d. Modus tollens
- 42. If James has the flu, he will miss tonight's game. But if he doesn't miss tonight's he will go to the dance after the game. game, he will go to the dance after the game. Therefore, if James doesn't have the flu,
- a. Disjunctive syllogism
- b. Destructive dilemma
- Invalid
- Modus ponens
- Pure hypothetical syllogism
- 43. If these plants are oleanders, then they're poisonous. These plants are not oleanders. Therefore, they're not poisonous.
- Invalid
- Affirming the consequent
- c. Modus ponens
- Denying the antecedent
- 44. If the city is to prevent excessive accidents, then it must salt the streets during the it won't avoid damaging the cars winter; but if it is to avoid damaging the cars, then it must not salt the streets. Since the city must either salt or not salt, then either it won't prevent excessive accidents or
- a. Pure hypothetical syllogism
- b. Constructive dilemma
- Invalid
- Affirming the consequent
- Destructive dilemma
- 45. If these geraniums don't get enough sun, then they won't bloom. But these geraniums don't get enough sun. Therefore, they won't bloom
- Denying the antecedent
- Modus ponens
- Affirming the consequent
- d. Modus tollens